

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Babin et al.	
Application No.: 10/786,017	Examiner: Ewald, Maria Veronica
Filed: February 26, 2004	Group Art Unit: 1722
<b>For: Hot Runner Manifold Plug for Rheological Balance in Hot Runner Injection Molding</b>	Attorney Docket No.: MMID 2001

**THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. § 1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of C.F.R. § 1.56, there is hereby provided certain information, which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the application.

In accordance with 37 C.F.R. 1.98(a)(2)(ii), copies of U.S. patent and patent application publications are not provided. In accordance with 37 C.F.R. 1.98(a)(2) and (a)(3), a copy of each publication and foreign patent document is provided. Accordingly, accompanying this Information Disclosure Statement is a copy of each of cited references FP10-FP12 and NPL12. Non-English language document FP12 discloses a mixing device (9) and further discloses a torpedo shaped mixer (3) with grooves (4) in an outer surface thereof.

No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than a search report of a foreign counterpart application or PCT International Search Report submitted herewith). 37 C.F.R. §§1.97(g) and (h).

Babin et al.  
US Appl. No. 10/786,017

This Third Supplemental Information Disclosure Statement is filed under 37 C.F.R. §1.97(c) before the mailing of a final action, a notice of allowance, or an action that otherwise closes prosecution. The fee set forth in 37 CFR 1.17(p) accompanies this submission.

Respectfully submitted,

MEDLER FERRO PLLC



Albert L. Ferro  
Reg. No. 44,679  
Attorney for Applicants

8607 Rockdale Lane  
Springfield, VA 22153  
(410)788-7684

Enclosures

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>
				<b>Application Number</b> 10/786,017
				<b>Filing Date</b> February 26, 2004
				<b>First Named Inventor</b> Babin, Denis
				<b>Art Unit</b> 1722
				<b>Examiner Name</b> Ewald, Maria Veronica
Sheet	1	of	1	Attorney Docket No: MMID 2001

<b>US PATENT DOCUMENTS</b>					
Examiner Initial *	Cite No	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US30	US-4403933	09/13/1983	Davis et al.	
	US31	US-4469649	09/04/1984	Ibar	
	US32	US-5069840	12/03/1991	Arnott	
	US33	US-5262119	11/16/1993	Smith	
	US34	US-5554395	09/10/1996	Hume et al.	

<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T <sup>2</sup>
	FP10	EP-0 779 140 A1	06/18/1997	Husky	
	FP11	WO-03/035 358 A1	05/01/2003	Husky	
	FP12	DE-20 17 710 A1	10/22/1970	Montecatini Edison S.p.A.	

<b>OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
	NPL12	BEAUMONT, JOHN P., et al., "Solving Mold Filling Imbalances in Multi-cavity Injection Molds", <u>Journal of Injection Molding Technology</u> , (June 1998, Vol. 2, no. 2),47-58			

**EXAMINER**

**DATE CONSIDERED**